

Human Epithelial discoidin domain-containing receptor 1 ELISA Kit | DDR1 elisa kit

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CATALOG #
AAA99064

REACTIVITY
Human

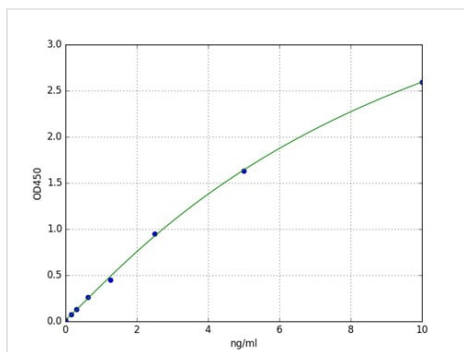
PRODUCT SYNONYMS

Epithelial discoidin domain-containing receptor 1; Human Epithelial discoidin domain-containing receptor 1 ELISA Kit; DDR1/Epithelial discoidin domain-containing receptor 1/Epithelial discoidin domain receptor 1/Protein-tyrosine kinase 3A/Mammary carcinoma kinase 10/MCK-10/HGK2/Discoidin receptor tyrosine kinase/Tyrosine kinase DDR/TRK E/Protein-tyrosine kinase RTK-6/Tyrosine-protein kinase CAK/CD167 antigen-like family member A/Cell adhesion kinase/CAK/EDDR1/NEP/NTRK4/PTK3A/RTK6/TRKE; DDR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	876
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a DDR1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.145	0.205	0.238	0.387	0.591	1.122	1.537	2.387

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DDR1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-DDR1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-DDR1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the DDR1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of DDR1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	663071027
NCBI GeneID	780
NCBI Accession #	NP_001284582.1
NCBI GenBank Nucleotide #	NM_001297653.1
Molecular Weight	99,064 Da
NCBI Official Full Name	epithelial discoidin domain-containing receptor 1 isoform 1
NCBI Official Synonym Full Names	discoidin domain receptor tyrosine kinase 1
NCBI Official Symbol	DDR1
NCBI Official Synonym Symbols	CAK; DDR; NEP; HGK2; PTK3; RTK6; TRKE; CD167; EDDR1; MCK10; NTRK4; PTK3A
NCBI Protein Information	epithelial discoidin domain-containing receptor 1
UniProt Protein Name	Epithelial discoidin domain-containing receptor 1
UniProt Gene Name	DDR1
UniProt Synonym Gene Names	CAK; EDDR1; NEP; NTRK4; PTK3A; RTK6; TRKE; Epithelial discoidin domain receptor 1; MCK-10
UniProt Entry Name	DDR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ddr1-human-elisa-kits/epithelial-discoidin-domain-containing-receptor-1/99064>